



Economic Sustainability Plan Framework Study

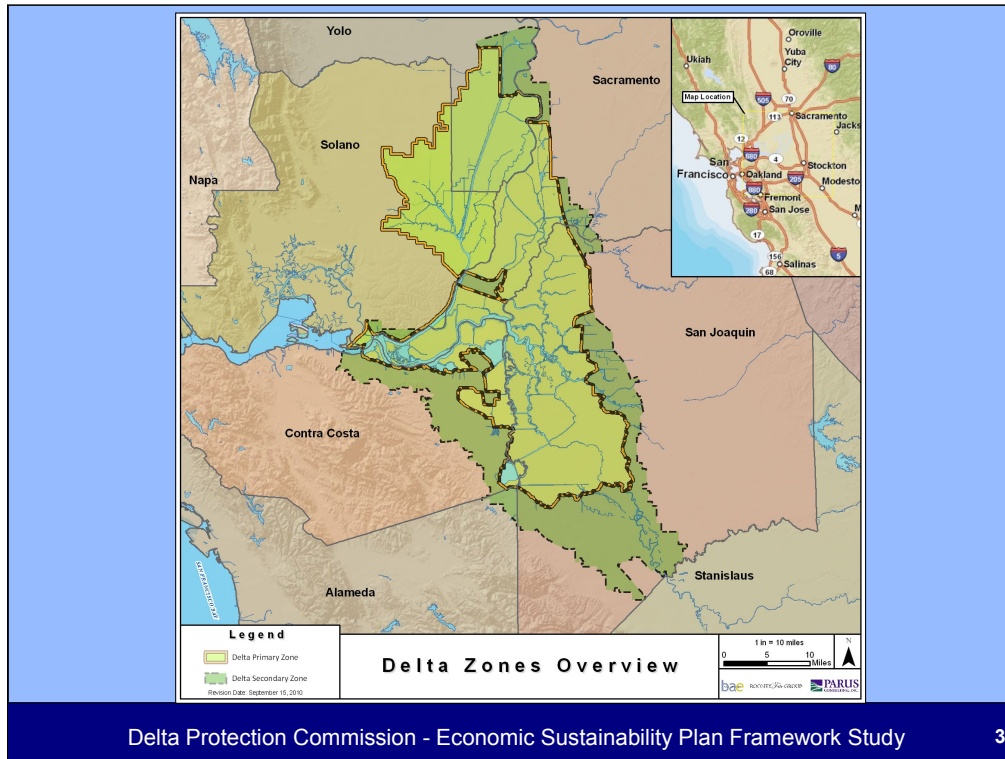
Public Scoping Meetings

Delta Protection Commission - Economic Sustainability Plan Framework Study



What is the DPC?

- **Delta Protection Commission (DPC):**
 - **History:**
 - Established through the Delta Protection Act of 1992.
 - **Mission:**
 - Preserve, protect, and enhance Delta resources for the use and enjoyment of current and future generations
 - Sustain agriculture, protect habitat, and increase recreational opportunities.
 - **Responsibilities:**
 - Establish a Management Plan to guide land use in the Primary Zone of the Delta
 - Serve as an appeal body for land use decisions within or impacting on the Primary Zone.

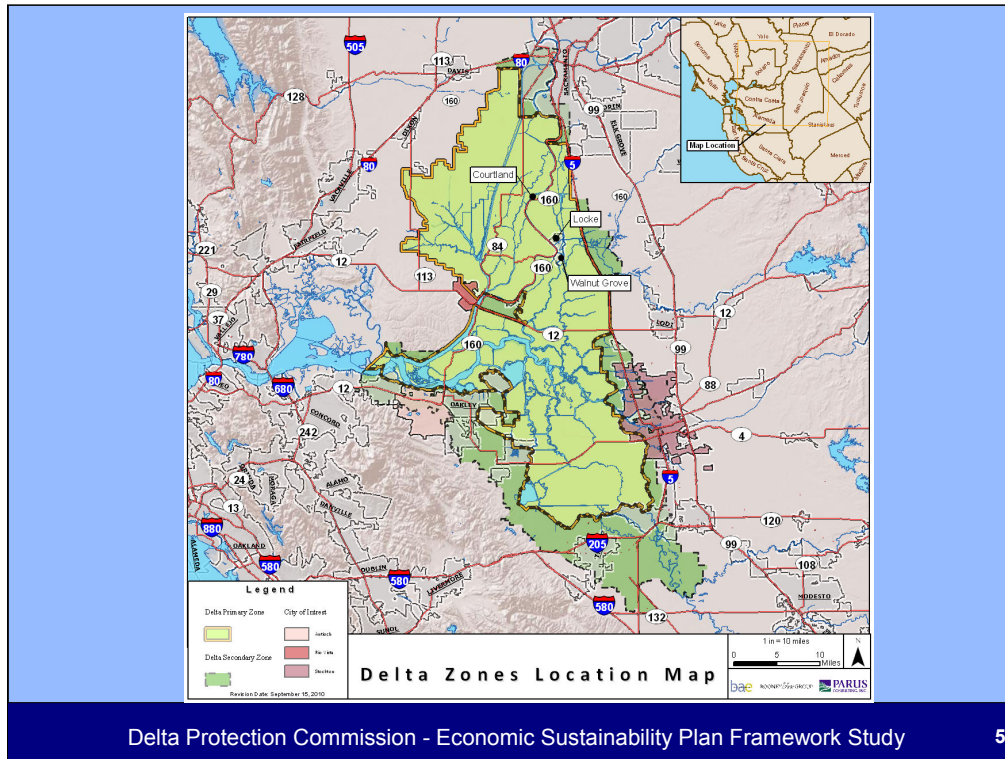




Recent Delta Legislation

Delta Reform Act of 2009 (SBX7 1):

- **Redefines role** of the DPC, narrows membership to focus on local representation, and expands DPC role in economic sustainability.
- Requires DPC to create a regional **Economic Sustainability Plan** (ESP), including creation of a Delta Investment Fund in the State Treasury.
- Requires DPC to submit **recommendations regarding potential expansion of or change to the Delta's Primary Zone** to the Legislature.
- Authorizes DPC to seek **National Heritage Area** designation for Delta.





What is the ESP?

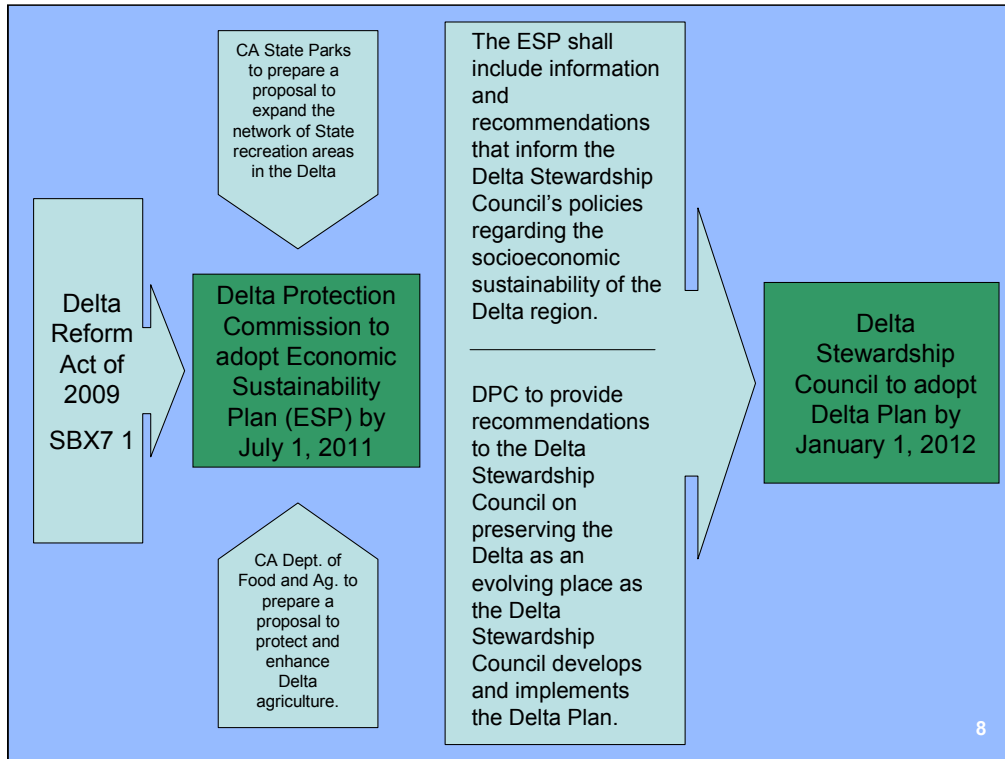
Economic Sustainability Plan will include the following:

- Public safety recommendations, including flood protection measures;
- Delineation of economic goals, policies, and objectives, including recommendations related to sustainability of agriculture and infrastructure systems; and
- Strategies to encourage recreation investment along river corridors.



Economic Sustainability Plan Process

- Complete Framework Study by December 31, 2010
- Prepare ESP by July 1, 2011





What is the ESP Framework Study?

Key Objectives:

- Identify stakeholders to engage in the Economic Sustainability Plan process
- Work with stakeholders and public to define scope of the ESP
- Compile existing data to inform the ESP and begin research to fill key information gaps
- Provide a detailed work plan for the ESP, including key opportunities and challenges to be addressed



Key Issues: Demographic Trends

- Population of the Legal Delta (2000 Census): 515,000 (a)
- Delta is surrounded by some of the fastest growing areas in CA

Population Growth, 2000 to 2005

Geography	Percent Growth
Delta Cities	18%
Rest of Delta Counties	6%
California	8%

Source: Hans Johnson, Public Policy Institute of CA. "Population Growth in the Delta Region." 2007.

Notes:

(a) Delta Vision Foundation. "Sacramento and San Joaquin Delta Facts." 2009.

Population Growth: same as table



Key Issues: Demographic Trends

- Delta population concentrated in Secondary Zone, which includes urbanized areas around:
 - Sacramento – Lathrop
 - Fairfield – Tracy
 - Stockton – Eastern Contra Costa County
- DPC policy is to channel new residential and commercial development into existing communities in order to preserve agricultural and recreational uses in Primary Zone (a)
- Urbanization in Secondary Zone could add 600,000 to 900,000 residents by 2050 (b)

Notes:

(a) Delta Protection Commission. "2006-2011 Strategic Plan." 2006.

(b) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.



Key Issues: Delta Economy

- Most recent economic data available for Legal Delta is from 1994 (a)
 - Total jobs: 249,000 (1.8% of statewide employment)
 - Annual economic output of Delta industries: \$21 billion
- Data from 2007 available for Protected Region (i.e., protected from 100-year flood by Delta levees) (b)
 - Total jobs: 204,000
 - Annual economic output: \$34 billion

Notes:

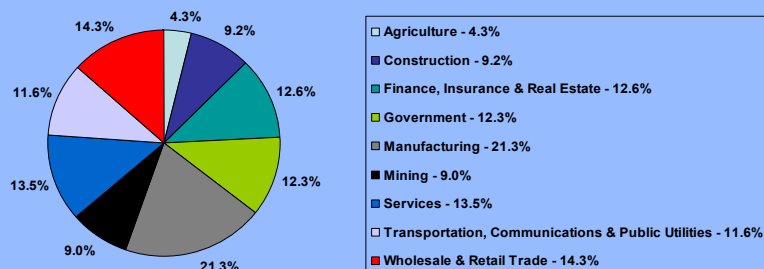
(a) Goldman, McWilliams, Pradhan & Brown, UC Berkeley. "The Economic Impact of Recreational Boating and Fishing in the Delta." 1998.

(b) Delta Vision Foundation. "Context Memorandum: Local and State Economies." 2007.



Key Issues: Delta Economy

Economic Output by Sector



Source: Goldman, McWilliams, Pradhan & Brown, UC Berkeley. "The Economic Impact of Recreational Boating and Fishing in the Delta." 1998.



Key Issues: Land Use

Delta Land Uses by Zone

Land Use	Primary Zone	Secondary Zone	Legal Delta	% of Total
Farmland	369,784 acres	142,184 acres	511,968 acres	69.5%
Grazing	26,962	7,943	34,905	4.7%
Urbanized	3,387	69,998	73,385	10.0%
Other	41,573	20,955	62,528	8.5%
Water	48,347	5,858	54,205	7.3%
Total	490,053	246,938	736,991	100.0%

Source: Delta Protection Commission. "Acres of Farmland Mapping and Monitoring Program Category per Delta County." 2006.



Key Issues: Delta Agriculture

- Agriculture is the dominant land use (a)
- Value of agricultural production (2008): \$1.7 billion (b)
- Over 90 products grown/raised
- Delta is a major producer of a number of CA crops, including:
 - Blueberries
 - Pears
 - Grapes
 - Tomatoes
 - Cherries
 - Asparagus

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Notes:

(a) 40,000 acres of agricultural land converted for urban and conservation use in Delta/Suisun Marsh between 1990 and 2004

(b) Source: CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007

(b) CA Farm Bureau. 2008.



Delta Services: Levees

- Total mileage of levees: 1,100 (a)
- All Delta services depend on levee function as most land is below sea level (b)
- 116,000 residential structures and 80-90% of irrigated agriculture lies within 100-year floodplain (a)
- System protects critical infrastructure
- Concern about stability and integrity of levees

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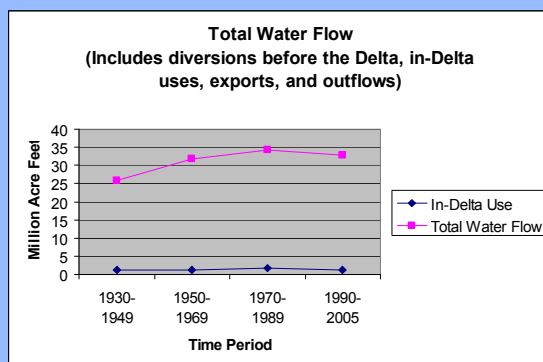
Notes:

(a) CA Dept. of Water Resources. "Technical Memorandum: Delta Risk Management Strategy Phase 1 – Economic Consequences." 2008.

(b) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.



Delta Services: Water Use



In-Delta water uses include:

- Agriculture
- Household
- Industry
- Habitat
- In-Stream Use

Source: Delta Vision Foundation. Final Delta Vision Plan, 2008



Delta Services: Energy Infrastructure

- Delta contains 500 mi. of electrical transmission lines and 60 substations (a)
-Carry approx. 10% of CA supply during summer (b)
- Power plants in Antioch and Pittsburg rely on water for cooling (c)
- Approx. 240 natural gas wells in Delta/Suisun Marsh (d)
-Pipelines serve local production and regional distribution
- Oil pipelines carry 50% of regional transportation fuel from Bay Area refineries to Central Valley for distribution in No. CA and NV (d)
- Subterranean natural gas storage facilities in Delta

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Notes:

(a) Delta Protection Commission. "Land Use & Resource Management Plan for the Primary Zone of the Delta." 2009.

(b) CA Dept. of Water Resources. "Technical Memorandum: Delta Risk Management Strategy Phase 1 – Economic Consequences." 2008.

(c) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.

(d) Delta Protection Commission. "Land Use & Resource Management Plan for the Primary Zone of the Delta." 2009.



Delta Services: Transportation

- I-5 and SR's 4, 12 & 160 used heavily for regional trucking, recreational access, and commuting (a)
- Delta traffic growing faster than population of surrounding counties (b)
- Freight and passenger rail service pass through Delta (b)
- Shipping channels connecting Ports of Stockton and Sacramento to Bay carry several million tons of goods each year (b)

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Notes:

(a) Delta Protection Commission. "Land Use & Resource Management Plan for the Primary Zone of the Delta." 2009.

Traffic: CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.

(b) Delta Protection Commission. "Land Use & Resource Management Plan for the Primary Zone of the Delta." 2009.



Delta Services: Recreation/Tourism

- Recreational visits result in 12 million user-days each year (a)
- Most activities are **water-dependent** (boating and fishing); many others are **water-related** (camping, hiking, wildlife viewing) (b)
- Few land-based activities due to private land ownership (b)
- DPC projects that demand for recreation will grow faster than CA population, creating a deficit of facilities (c)

Annual Water-Dependent Expenditures in Delta (1997)

Activity	Expenditures	% of Statewide
Boating	\$247 million	60%
Fishing	\$186 million	47%

Source: CA Dept. of State Parks. "Sacramento-San Joaquin Delta Recreation Survey." 1997.

Notes:

(a) Delta Vision Foundation. "Sacramento and San Joaquin Delta Facts." 2009.

(b) Delta Protection Commission. "Land Use & Resource Management Plan for the Primary Zone of the Delta." 2009.

(c) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.



Delta Services: Habitat/Ecosystem

- Unique habitat for resident and migratory species of fish and birds, some of which are threatened or endangered (a)
- Most important watering/nesting station for migratory birds along Pacific Flyway (a)
- Water quality threatened by toxic substances, agricultural runoff, and intrusion of saltwater and treated wastewater during low-flow periods
- Water quality affects: (c)
 - Agriculture (local and statewide)
 - Urban water use
 - Recreation
 - Habitat

Notes:

(a) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.

(b) Delta Protection Commission. "2006-2011 Strategic Plan." 2006.

(c) CA Dept. Water Resources. "Status and Trends of Delta-Suisun Services: Public Review Draft." 2007.



Public Input

- Building of the Database (Community and Stakeholders)
- Research and Data Collection
- Community Meetings (geographically dispersed)
 - Round One - Developing the Framework*
 - Round Two - Fine-tuning the Framework (November)*
- Focus Groups (10 scheduled)
- Interviews
- Summary Reports
- ESP Committee and DPC meetings
- Other (web,, timeframe, etc.)



Community Input and Discussion

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Next Steps/Additional Input Opportunities

- Consultants complete data gathering (community input)
- Consultants develop preliminary draft framework plan
- Presentation to ESP Committee (late October)
- Public Review Meetings (mid-November)
- Present Draft Final Framework Study to ESP Committee (mid-December)
- Present Draft Final Framework to DPC (mid-December)
- Submit Final Framework Study to DPC (late December)
- January 2011 – ESP consultant initiates work
- July 2011 – ESP adopted by DPC



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